

Syllabus for Math 331 – Honors Analysis

Instructor: Stephen Semmes, HB 414, semmes@rice.edu.

Office hours: One can often find me in my office, or make an appointment.

Course objectives: A careful treatment of basic topics in real analysis, including metric spaces and their topology, sequences and series, continuity, and differentiation.

Grading: The grades will be based on a series of homework assignments, a mid-term exam, and a final exam.

Absences: Although attendance is not directly included in the grading, students are of course responsible for all of the material covered in class.

Textbook: W. Rudin, *Principles of Mathematical Analysis*, 3rd edition, McGraw-Hill, 1976.

Examinations: There will be a mid-term exam and a final exam, both of which will be take-home.

Assignments: Students are permitted to discuss the homework, but the exams are pledged.

Any student with a disability that requires accomodation is encouraged to contact the instructor and Disability Support Services in the Allen Center.

The information contained in this syllabus, other than the absence policy, may be subject to change with reasonable advance notice, as deemed appropriate by the instructor.